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08/484,918 06/07/95 MOORE

EXAMINER  
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ENG. D

ART UNIT PAPER NUMBER

3

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Patent application on file in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

DATE MAILED:  
2315

12/12/95

☒ This application has been examined ☒ Responsive to communication filed on 6/7/95 ☐ This action is made final.

A shortened statutory period for response to this action is set to expire 3 month(s), 0 days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- ☒ Notice of References Cited by Examiner, PTO-892.
- ☒ Notice re Patent Drawing, PTO-948.
- ☐ Notice of Art Cited by Applicant, PTO-1449.
- ☐ Notice of Informal Patent Application, Form PTO-152.
- ☐ Information on How to Effect Drawing Changes, PTO-1474.
- ☐

Part II SUMMARY OF ACTION

1. ☒ Claims 19-21 + 65-67 are pending in the application.

Of the above, claims \_\_\_\_\_ are withdrawn from consideration.

2. ☒ Claims 1-18, 22-64 + 68-70 have been cancelled.

3. ☐ Claims \_\_\_\_\_ are allowed.

4. ☒ Claims 19-21 + 65-67 are rejected.

5. ☐ Claims \_\_\_\_\_ are objected to.

6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

7. ☐ This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.

8. ☐ Formal drawings are required in response to this Office action.

9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_. Under 37 C.F.R. 1.84 these drawings are ☐ acceptable. ☐ not acceptable (see explanation or Notice re Patent Drawing, PTO-948).

10. ☐ The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_, has (have) been ☐ approved by the examiner. ☐ disapproved by the examiner (see explanation).

11. ☐ The proposed drawing correction, filed on \_\_\_\_\_, has been ☐ approved. ☐ disapproved (see explanation).

12. ☐ Acknowledgment is made of the claim for priority under U.S.C. 119. The certified copy has ☐ been received ☐ not been received  
☐ been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_

13. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.

14. ☐ Other

EXAMINER'S ACTION

A new abstract, a new title and a new summary of the invention which reflect the invention claimed are requested.

Applicants are requested to update the status of the parent application.

Claims 1-18, 22-64 and 68-70 have been cancelled. The active claims are 19-21 and 65-67.

Claims 19-21 and 65-67 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

With respect to the apparatus claims, there are no functional relationship and interconnection between claimed components.

With respect to the method claims, there is no relationship between the method steps. It is not clear what the steps try to accomplish. No improvement is seen.

Scope of meaning of the claim language "--each having a plurality of transistors-- fabrication" in claim 65 is not understood.

The following is a quotation of 35 U.S.C. § 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102

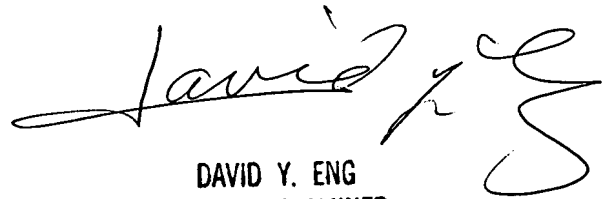
of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

Claims 19 and 65 are rejected under 35 U.S.C. § 103 as being unpatentable over Sheets.

See at least the abstract and claim 1 in Sheets. Sheets teaches a microprocessor system having a microprocessor and a variable speed clock generator. Sheets does not disclose that his clock is implemented by a ring counter. One of ordinary skill in the art should readily recognize that counter is a basic component of clock generator. Whether the counter is of the ring type is merely a matter of design choice.

Claims 20-21 and 66-67 are rejected under 35 U.S.C. § 103 as being unpatentable over Sheets in view of Schaire.

Sheets discloses claim combination set forth above. although Figure 1 of Sheets shows an I/O port, Sheets does not show an I/O bus interface having an independent clock generator. However, Schaire discloses a bus I/O interface having a clock 228. It would have been obvious to a person of ordinary skill in the art to incorporate an I/O bus interface having an independent clock as taught by Schair in Sheets' microprocessor system because interface is a basic component of a processor system.



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ART UNIT 232